



PATENT ABSTRACTS OF JAPAN

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(54) **INK JET RECORDING SHEET AND RECORDING METHOD**

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(57) Abstract:

PURPOSE: To provide a recording sheet excellent in ink fixing properties immediately after printing, short in drying and fixing time and forming an image excellent in resolving power and uniformity by adding gelatin and a cationic water-soluble polymer to a base material or the ink receiving layer provided on the base material.

CONSTITUTION: An ink jet recording sheet is obtained by adding gelatin and a cationic water-soluble polymer to a base material or the ink receiving layer on the base material. The cationic water-soluble polymer is a polymer having a quaternary ammonium group represented by formulae I, II, III. In the formula I, R¹ is a hydrogen atom or a methyl group, Q is an oxygen atom or -NH-, R², R³ and R⁴ are a methyl group or an ethyl group, X⁻ is a halogen ion and n is 2 or 3. In the formula II, R⁵, R⁶ and R⁷ are a methyl group or an ethyl group and, in the formula III, R⁸, R⁹ and R¹⁰ are a methyl group or an ethyl group.

